

PYTHON 2 Marks Questions.

- a) Name different modes of python.
- b) List identity operators in python.
- c) Give two differences between list and tuple.
- d) Explain Local and Global variable.
- e) Define class and object in python.
- f) How to give single and multiline comment in python.
- g) List different modes of opening file in python.
- h)
- i) List features of Python.
- j) Describe membership operators in python.
- k) Write down the output of the following Python code
 `>>>indices=['zero','one','two','three','four','five']`
 - i) `>>>indices[:4]`
 - ii) `>>>indices[:-2]`
- l) Describe any two data conversion function.
- m) With neat example explain default constructor concept in Python.
- n) Describe mkdir() function.
- o) Describe Multiline comment in python.

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PYTHON 4 Marks Questions.

a) Write a program to print following:

```
1
1 2
1 2 3
1 2 3 4
```

b) Explain four Built-in tuple functions python with example.

c) Explain how to use user defined function in python with example.

d) Write a program to create class EMPLOYEE with ID and NAME and display its contents.

e) List Data types used in python. Explain any two with example.

f) Explain membership and assignment operators with example.

g) Explain indexing and slicing in list with example.

h) Write a program for importing module for addition and subtraction of two numbers.

i) Write a program to create dictionary of students that includes their ROLL NO. and NAME.

i) Add three students in above dictionary

ii) Update name = 'Shreyas' of ROLL NO = 2

iii) Delete information of ROLL NO = 1

j) Explain decision making statements If- else, if- elif- else with example.

k) Explain use of format () method with example.

l) Explain building blocks of python.

m) Write a program illustrating use of user defined package in python.

n) Explain method overloading in python with example.

o) Write a program to open a file in write mode and append some contents at the end of file.

```
>>> print (t1 [-1])
>>> print (t1 [2 :])
>>> print (t1 [:])
```

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PYTHON 6 Marks Questions.

- a) Explain package Numpy with example.
- b) Write a program to implement the concept of inheritance in python.
- c) Explain Try-except block used in exception handling in python with example.
- d) Write the output of the following:
 - i)

```
>>> a = [2, 5, 1, 3, 6, 9, 7 ]
>>> a [ 2 : 6] = [ 2, 4, 9, 0]
>>> print (a)
```
 - ii)

```
>>> b = [ "Hello" , "Good" ]
>>> b. append ( "python" )
>>> print (b)
```
 - iii)

```
>>> t1 = [ 3, 5, 6, 7 ]
>>> print (t1 [2])
>>> print (t1 [-1])
>>> print (t1 [2 :])
>>> print (t1 [:])
```
- e) Explain method overloading in python with example.
- f) Write a program to open a file in write mode and append some contents at the end of file.
- g) Write a Python Program to check if a string is palindrome or not.
- h) Write a Python program to calculate sum of digit of given number using function.
- i) Write a Python Program to accept values from user in a list and find the largest number and smallest number in a list.
- j) Explain any six set function with example.
- k) Design a class student with data members : name, roll no., department, mobile no. Create suitable methods for reading and printing student information.
- l) With suitable example explain inheritance in Python.

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